

|   |              |    |   |                          |                  |
|---|--------------|----|---|--------------------------|------------------|
| Substitute for Form 1449 A & B/PTO<br><br><b><u>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</u></b><br><br><i>(use as many sheets as necessary)</i> |              |    |   | <i>Complete if Known</i> |                  |
|   |              |    |   | Application Number       | 10/555,612       |
|   |              |    |   | Confirmation Number      | 4512             |
|   |              |    |   | Filing Date              | November 4, 2005 |
|   |              |    |   | First Named Inventor     | Yoshihiro KITANO |
|   |              |    |   | Art Unit                 | 1773             |
| Examiner Name   | Sheeba AHMED |    |   |                          |                  |
| Sheet   | 1            | of | 1 | Attorney Docket Number   | Q91305           |

| U.S. PATENT DOCUMENTS |                       |                 |                                      |                                |   |
|-----------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|                       |                       | Number          | Kind Code <sup>2</sup><br>(if known) |                                |   |
|                       |                       | US 5,021,515    |                                      | 06-04-1991                     | COCHRAN et al.                                  |
|                       |                       | US 4,994,313    |                                      | 02-19-1991                     | SHIMIZU et al.                                  |
|                       |                       | US 5,194,478    |                                      | 03-16-1993                     | FRANDSEN et al.                                 |
|                       |                       | US 2002/0115768 | A1                                   | 08-22-2002                     | KIKUCHI et al.                                  |
|                       |                       | US 2002/0146527 | A1                                   | 10-10-2002                     | KIKUCHI et al.                                  |
|                       |                       | US              |                                      |                                |   |

| FOREIGN PATENT DOCUMENTS |                       |                           |                     |                                      |                                |   |   |
|--------------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document   | Translation <sup>6</sup>                    |
|                          |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |                                |   |   |
|                          |                       | EP                        | 0 278 403           | A2                                   | 08-17-1988                     | MITSUBISHI GAS CHEMICAL COMPANY, INC.             |   |
|                          |                       | EP                        | 0 301 719           | A1                                   | 02-01-1989                     | MB GROUP PLC                                      |   |
|                          |                       | WO                        | 89/01012            |                                      | 02-09-1989                     | MB GROUP PLC                                      |   |
|                          |                       | WO                        | 90/00578            |                                      | 01-25-1990                     | A/S HAUSTRUP PLASTIC;<br>A/S HAUSTRUP HOLDING     |   |
|                          |                       | JP                        | 2-500846            |                                      | 03-22-1990                     | MB GROUP PLC                                      | Abstract<br>(corresponding EP 0 301 719 A1) |
|                          |                       | JP                        | 3-505843            |                                      | 12-19-1991                     | A/S HAUSTRUP PLASTIC;<br>A/S HAUSTRUP PLM HOLDING |   |
|                          |                       | JP                        | 8-25220             |                                      | 03-13-1996                     | MITSUBISHI GAS CHEMICAL CO., INC.                 | Partial                                     |
|                          |                       | JP                        | 2001-72873          |                                      | 03-21-2001                     | KURARAY CO LTD                                    | Abstract                                    |
|                          |                       | JP                        | 2001-164002         |                                      | 06-19-2001                     | DAICEL CHEM IND LTD                               | Abstract                                    |
|                          |                       | JP                        | 2001-302918         |                                      | 10-31-2001                     | TORAY INDUSTRIES                                  | Abstract                                    |
|                          |                       | JP                        | 2002-241608         |                                      | 08-28-2002                     | TOYO SEIKAN KAISHA LTD                            | Abstract                                    |
|                          |                       | EP                        | 1 253 171           | A1                                   | 10-30-2002                     | TOYO SEIKAN KAISHA LIMITED                        |   |
|                          |                       | EP                        | 1 213 326           | A1                                   | 06-12-2002                     | TOYO SEIKAN KAISHA LIMITED                        |   |
|                          |                       | JP                        | 2003-12944          |                                      | 01-15-2003                     | TOYO SEIKAN KAISHA LTD                            | Abstract                                    |

| NON PATENT LITERATURE DOCUMENTS |                       |  |                          |
|---------------------------------|-----------------------|--|--------------------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation <sup>6</sup> |
|                                 |                       |  |                          |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.